

# ETL Publications for 2003

1/1/2003--12/31/2003

## Open Literature Articles

Angevine, W.M., C.J. Senff, and E.R. Westwater. Boundary Layers: Observational Techniques – Remote. In Encyclopedia of Atmospheric Sciences, 271-279 (2003).

Angevine, W.M., A.B. White, C. Senff, M. Trainer, R.M. Banta, and M.A. Ayoub. Urban-rural contrasts in mixing height and cloudiness over Nashville in 1999. *Journal of Geophysical Research*, 108(D3, 4092):3-1 thru 3-

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Banta, R.M., Y.L. Pichugina, and R.K. Newsom. Relationship between low-level jet properties and turbulence kinetic energy in the nocturnal stable boundary layer. *Journal of the Atmospheric Sciences*, 60:2549-2555 (2003).

Banta, R.M., and A.B. White. Mixing-height differences between land use types: Dependence on wind speed. *Journal of Geophysical Research*, 108(D10):ACL 11-1 thru ACL 11-10 (2003).

Bedard, A.J. Jr. Aviation Weather Hazards. In Encyclopedia of Atmospheric Sciences. J.R. Holton, J. Pyle, and J.A. Curry, Elsevier Science Ltd., 166-177 (2003).

Churnside, J.H., D. Demer, and B. Mahmoudi. A comparison of lidar and echosounder measurements of fish schools in the Gulf of Mexico. *Journal of Marine Science*, 147-154 (2003).

Cimini, D., J.A. Shaw, Y. Han, E.R. Westwater, V.G. Irisov, V. Leuskiy, and J.H. Churnside. Air temperature profile and air/sea temperature difference measurements by infrared and microwave scanning radiometers. *Radio Science*, 38(3):MAR 10-1 thru MAR 10-19 (2003).

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Feingold, G. Modeling of the first indirect effect: Analysis of measurement requirements. *Geophysical Research Letters*, 30(19):ASC 7-1 thru ASC 7-4 (2003).

Feingold, G., W.L. Eberhard, D. Lane, and M. Previdi. First measurements of the Twomey indirect effect using ground-based remote sensors. *Geophysical Research Letters*, 30(6):20-1 thru 20-4 (2003).

Feingold, G., and B. Morley. Aerosol hygroscopic properties as measured by lidar and comparison with in-situ measurements. *Journal of Geophysical Research*, 108(D11):AAC 1-1 thru AAC 1-11 (2003).

O. Godin, Influence of long gravity waves on wind velocity in the near-water layer and feasibility of early Tsunami detection. *Doklady Earth Sciences*, 841-844 (2003).

Godin, O. On derivation of differential equations of coupled-mode propagation from the reciprocity principle (L). *Journal of the Acoustical Society of America*, 114(6):3016-3019 (2003).

Godin, O. Systematic distortions of signal propagation times in random inhomogeneous media. *Doklady Physics*, 48(8):389-393 (2003).

Godin, O., and I.M. Fuks. Travel-time statistics for signals scattered at a rough surface. *Waves in Random Media*, 13:205-221 (2003).

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Grachev, A.A., C.W. Fairall, J.E. Hare, J.B. Edson, and S.D. Miller. Wind stress vector over ocean waves. *Journal of Physical Oceanography*, 33:2408-2429 (2003).

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